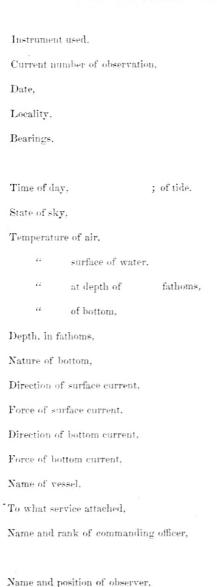


Fish 1881 No. III.

U.S. Fish Commission and Gensies of 1880. -Statistics of Yishen, Marine Part of .name of Vessel Formage, Rig. Where built. When built Original cost. Present value ; of tide. no of crew. nationality. american Nova Scotian. Swideshek _ noh. _ Youds, English _ fath Brookiquese, _ Negro. What fishery engaged in Where Jishing. Deposition made of fish Gross Stock 18-Profits average Shall of crew. No bob machael, 189 (total)

No les other fish 18 - Loral 3 miles lives

Marie of the fish southers, No contin 3 miles lives name of agent or owner. Mance of person gwing infants: Name of vicarder.



Haul 1030 R. Dredger.

V Synaphobranchus

Leopelus

2+3

Instrument used,

Current number of observation, 1030

Date, Sept. 14, 1881.

Locality.

Bearings. N. lat. 39° 58' 30"
"M. lon. 69° 15'

Time of day, 1.52 P.M.; of tide,

State of sky, form

Temperature of air,

" surface of water. 66

" at depth of 5 fathoms, 66

" of bottom, ///

Depth, in fathoms, 337

Nature of bottom, Mellen mud

Direction of surface current,

Force of surface current,

Direction of bottom current,

Force of bottom current.

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Haul 1031 Trawl tore,

"Scopelus ("two species) 14

"Cottunaulus microps 3

"Raia very young 1

"Lebastes marinus 1

"Rycis tennis 1

"Thycis tennis 1

"Thacrums Boundii 3

Raia egg large (not kept) 1

Instrument used,

Current number of observation, /03/

Date, Sept. 14, 1881.

Locality.

Bearings, N. Pat. 39° 57' N. Lon. 69° 19'

Time of day, 2,54 P. M.; of tide,

State of sky, fragm

Temperature of air. 6

" surface of water. 6 (-

" at depth of fathoms, 63, -

" of bottom, 255

Depth, in fathoms, 255

Nature of bottom, Itelling much

Direction of surface current,

Force of surface current,

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Haul 1032 Small hear trans

· m	acrurus	Bairdin	many
`	M	carminat	tus 8
· De	tarcher A	armatus	5
VP	hyois ch		2 pails all
v m	restucions		19
		erillii ?	
		go Small	
	yeis Chi		13
	copelus		2_
V Pa	raliohth	Allmens	/

Instrument used,

Current number of observation, 1032

Date. Left 14 1887

Locality, n. Lat. 39° 56'

Bearings, 177, Level. 69° 22'

Time of day, 4 P. 711. ; of tide,

State of sky, Cloudy

Temperature of air. 65

.. surface of water, 65

" at depth of 5 fathoms, 6%, 5

of bottom. 46

Depth, in fathoms, 208

Nature of bottom, Mellon mud

Direction of surface current,

Force of surface current.

Direction of bottom current,

Force of bottom current,

Name of vessel.

To what service attached.

Name and rank of commanding officer,

Haul 1033

· Scopius not kept	
Doyful Agrician	1
· Parakichthy oblingus	4
Merlucia	16
Magnered Commenter	31
	51
	1
V. Myplossiphalin.	1
6	i
Sotarchie Land	11

Instrument used, Beam Frank

Current number of observation, /033

Date, Sept 14 1887

Locality,

Bearings, N. lat. 39° 56' W. len. 69° 24'

Time of day, 4,50 P. M., ; of tide,

State of sky, L. C.

Temperature of air. 6

" surface of water. 63

" at depth of 5 fathoms, 63

of bottom,

Depth, in fathoms, /83

Nature of bottom, A. Q.

Direction of surface current,

Force of surface current,

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Hank 1034 Frank found Leopelus 1+2

Instrument used.

Current number of observation, /03 U

Date, Sight. 14, 1881.

Locality, 1/1. 2at. 390 56

Bearings, W. Len. 69° 26'

Time of day, San f. Than; of tide,

State of sky, .

Temperature of air, 66,

.. surface of water. 62

" at depth of C fathoms, 60

" of bottom, 46.5

Depth, in fathoms, / 4 &

Nature of bottom, Sound + Mellow or

Direction of surface current,

Force of surface current.

Direction of bottom current,

Force of bottom current,

Name of vessel.

To what service attached,

Name and rank of commanding officer,

Haul 1035

Collins and 1.
Collanolithis are. 2
Mericality are. 4
Physis chare 24

Instrument used,

Bonn Francis

Current number of observation, /0 5 8

Date,

Sept. 14, 1887.

Locality,

Bearings, Di, Cat. 200 m. lon. 600 281

Time of day, 6.56 Pyn; of tide,

State of sky,

Temperature of air,

surface of water, 65

at depth of J fathoms, 60

of bottom, 47

Depth, in fathoms,

Nature of bottom,

sand

Direction of surface current,

Force of surface current.

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Mani 1036 1992/6/2.

Instrument used, Rake Dre
Current number of observation, /036
Date, Sept. 14, 1887;
Locality,
Bearings, 71, rat. 306 78'
Time of day, F. State of sky, State of sky,
a conferment of sail,
" surface of water, 6/.3
" at depth of fathoms,
" of bottom, 6
Depth, in fathoms, 94
Nature of bottom, Aand
Direction of surface current,
Force of surface current,
Direction of bottom current,
Force of bottom current,
Name of vessel,
To what service attached,
Name and rank of commanding officer,

Haul 1037



Gitter wholt we do not have

+

Instrument used. Francê

Current number of observation,

Date, Sept. 15, 1887.

Locality, Off noman's Land

Bearings, Lay Head R. Ly E. 34 8 ...

Time of day, Sa, Sii, ; of tide,

State of sky,

Temperature of air.

" surface of water.

" at depth of fathoms,

" of bottom,

Depth, in fathoms,

Nature of bottom, Aland (Supposed prock

Direction of surface current,

Force of surface current,

Direction of bottom current,

Force of bottom current.

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Haul 1038

Myxine ghitinoon	3
Setarches parmatics of	4+13+3
Citharichthys arctif. jour	
Raia lamis? - juo.	-3
· Monokene seselicande	1
Elyptocepholus cynoglosus	1
Paralichthips oblingus	3
Merlucius Vilineaux	14
Physis chuss	1
Thy air churs	3
1 Raia eglantina? juv.	4
Vitipliogles scioles "	3
Calinal shitty ? jour at Surface.	1
Hyphalonedrus chalybeins	6+.
Magrurus camerialico	/
	,
Trawl - line .	
Squalus acanthia 3	/
Physix termis	'/
monte on	2

Instrument used,
Current number of observation, /038
Date, Sept. 21, 1881.
Locality, Off Warther Vineyard
Bearings, 7. lat. 390 581 W. len. 700 06'
Time of day, S. Jak a. M.; of tide,
State of sky, Hazay
Temperature of air, 67
" surface of water, 63
" at depth of 5 fathoms, 6?
" of bottom, 47
Depth, in fathoms, /46
Nature of bottom, A, + PL.
Direction of surface current.
Force of surface current,
Direction of bottom current,
Force of bottom current,
Name of vessel,
Fo what service attached,

Name and position of observer,

Name and rank of commanding officer,

	CAuri	1039	forceed	
Citt	tariohlty	arcti	frons	1
mono	ecanthus	at surt	0.08	6

Instrument used,

Current number of observation, 1039

Date, Sept, 21, 1881.

Locality, Off marthas Vineyard

Bearings, 51, 2at. 39° 55'

Time of day, (1. 5: A. 7:; of tide,

State of sky, Haga

Temperature of air. 66, 36

" surface of water. 67

" at depth of fathoms, 68

" of bottom,

Depth, in fathoms, 130 - 136

Nature of bottom, A. + Dh.

Direction of surface current.

Force of surface current.

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached.

Name and rank of commanding officer,

Have 1040 Ex-Dredge, Glyptocepholus Cynoglosous 2

Instrument used, Executive Dreden -
Current number of observation, 1040
Date, Sept. 21, 1887,
Locality, Off Marthas Dineyard
Bearings, 7. Lat. 40° co' 7. h 70° 06'
1. u.a. 90° 06'
Time of day, 10, 43 a, 72; of tide,
State of sky, harm
Temperature of air. 64
" surface of water, (- ?
at depth of fathoms,
" of bottom, 66
Depth, in fathoms, 93
Nature of bottom, S, 7 2h.
Direction of surface current,
Force of surface current,
Direction of bottom current,
Force of bottom current,
Name of vessel,
To what service attached.
Name and rank of commanding officer,

Haul 10 41

Janton sierin	2
Centropoistis atravice jur.	3
Stenotomus argy of a	, -
Primet carries	*/
Rain en mais est	/

Instrument	used,
------------	-------

Current number of observation. 1041

Sept. 22, 1881. Vineyard Sound Locality.

Bearings. West Chop Light

E 1/2 n. 13/4 miles

Time of day, /2. 33 P.m; of tide,

State of sky, & . C

Temperature of air, 63.3

surface of water. 6,5

at depth of 5 fathoms. 6J

of bottom, /S

Depth, in fathous,

Nature of bottom,

Force of bottom current,

Name of vessel,

To what service attached.

Name and rank of commanding officer,

Haul 1042

Raia erinacea		2
StenoForms arguets	jin.	
Centroprestis atravies	11	
Privotes carolines	. 42	
Fauto later adsperan.	4	

Instrument used.

Current number of observation,

Sept. 22, 1881.

Locality. St Wineyard Sound.

Bearings, West Chop Light

E. 1/2 n. 11/2 miles

Time of day, //7 P.M.; of tide,

State of sky, L. C.

Temperature of air. 63.3

surface of water. 65

at depth of fathoms.

of bottom, 65

Depth, in fathoms,

Nature of bottom, S. gravel
Direction of wind

S. S.

5576

Force of management wind Direction of between drift " W. by n., 1/2 m.

Force of bottom current,

Name of vessel.

To what service attached.

Name and rank of commanding officer,

1 Brotulid

I Enchelyopus cembrius

1 Scyllium

V Phycis Churs

V (Hyphalonedrus chalybeins

I Peristedium miniatum

merlucius bilinearis

V Scarpaina

Instrument used. Trawl.

Current number of observation. 1043.

Date, Oct. 10 , 1881.

Locality, Off Capes of Delaware.

Bearings. Lat. 38° 39' n.

Long, 73° 11' Mr.

Time of day, 7.17 a.m.; of tide,

State of sky, partly cloudy.

Temperature of air. 63.5

" surface of water, 65.5

" at depth of 5 fathoms. 65.5

of hottom. 119

Depth, in fathoms, 130

Nature of bottom, sand

Direction of wind & NE.

Force of surface courses

Direction of later with drift Nr. by N., 13/4 m.

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

/ maurolicus / Scopelus

(Surface)

Instrument used, Armarl.

Current number of observation, 1044 Oct. 10, 1881. Locality. Off Capes of Delaware. Bearings, Lat. 38° 37' N. Long, 73° 12' W. Time of day, 8. 15 a. 71; of tide, Survey of sky. Cir. Cum. Temperature of air. 6,5 surface of water. 66 at depth of 5 fathoms. 66 of bottom, 42, 5 Depth, in fathoms, 224 Nature of bottom, gray mud. Direction of surface correct, wind, NW. Force of sarfato current, Direction of Land drift, mn m. 1/2 m. Force of bottom current, Name of vessel.

Name and position of observer,

Name and rank of commanding officer,

To what service attached.

Came up empty. Deepened to 300 fms.

V Phycis tennes Laemonema

V Phycis Chesteri

V Macrurus carminatus

V Bairdii

V Scorpaena

V Halientaea senticosa

V Hoplostethus

Phycis very young

V Glyptocopiaius cynoglossus

Instrument used, Fawl,
Current number of observation, 1045.
Date. Oct. 10, 1881.
Locality. Off Capes of Delaware.
Bearings, Lat. 38° 35' N.
Lon. 73° 13' W.
Time of day. 9, 32 a.m.; of tide,
State of sky, partly Cloudy.
Temperature of air, 67
" surface of water. 66
" at depth of 5 fathoms, 66
of bottom, 40
Depth, in fathoms, 3/2
Nature of bottom, gray mud.
Direction of surface common wind, NNW.
Force of species and the second species of species of species and the second species of specie
Direction of more about drift, W3/4 N, 3/4 m
Force of bottom current,

Name of vessel,

To what service attached.

Name and rank of commanding officer,

Name and position of observer,

V Periotediene miniatum
Phycis very young
V Macrurus carminatus

Instrument used, Frawl,
Current number of observation, 1046.
Date, Oct. 10, 1881.
Locality, Lat. 38 33' In Off Capes of Del
Bearings, Lat. 38° 33' W.
Lon. 73° 18' 26.
Time of day, 11.14 a.M.; of tide,
State of sky, Clear.
Temperature of air, 66
" surface of water, 66
". at depth of J fathoms, 65
" of bottom, J7.
Depth, in fathoms, /04
Nature of bottom, Sand
Direction of surface current, wind; N.
Force of south the state of the
Direction of latter current drift, WnW, 3/4 m.
Force of bottom current.
Name of vessel,

Name and position of observer,

Name and rank of commanding officer,

To what service attached,

· Peristedium miniatum

I Myxine glutinosa

V Scorpaena

1 merlucius bilinearis

V Hyphalonedrus Chalybeius

Raia young V Cithurichthys arctifrons

1 Macrurus carminatus

Slyptocephalus cynoglocaux

diving specimen of Dolium.

Instrument used, Frawl,
Current number of observation, 1047,
Date, Oct. 10; 1881.
Locality. Off Capes of Delaware.
Locality. Off Capes of Oclaware. Bearings, Lat. 38° 31' N.
Lon. 73° 21' M.
Time of day, 12.15-P.M.; of tide,
State of sky. Clear
Temperature of air. 69
" surface of water, 66
" at depth of fathoms, 65
" of bottom. 49
Depth, in fathoms, /5-6
Nature of bottom, A and
Direction of surface wind, N.
Force of surface current ", H. Direction of become some drift, nr, 1/2 m.
Force of bottom current,
Name of vessel

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

V Hemichthus scolojacens V Stomias ferox

· Chauliodus Sloanie

V Gonostoma demudata

Instrument used, Frawl
Current number of observation, 1048
Date, Oct. 10, 1881.
Locality. Off Capes of Delaware
Bearings. Lat. 38° 29' N.
Lon. 73° 21' M.
Time of day, 1.55 P. M. of tide,
State of sky, Clear.
Temperature of air,
" surface of water, 66
" at depth of fathoms, 65
" of bottom, HO
Depth, in fathoms, 435
Nature of bottom, Mud
Direction of surface current wind, U.
Force of surface current,, 4. Direction of bottom current, drift, W, 2 m.
Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

V Dimenchelys parasitions
V Halientaea Senticosas
V Agnaphobranchus pinnatus
V Remichthys Scolopaceus
V Lycodes Verrillii
V Cottunculus torous
Lycodes young
V Cottunculus torous
V Macrurus Bairdii
V Physis Chesteri
V Merlucius bilinearus
V Lophius piscatorius
V Gaptocephalus cynoglossus
V Gaptocephalus cynoglossus

Instrument used,

Current number of observation, 10 49
Date, Oct. 10, 1881.
Locality. Off Capes of Delaware.
Bearings, Lat. 380 28' W.
Lon. 73° 22' m.
Time of day, 3.30 P.M.; of tide,
State of sky, Clear
Temperature of air, 68
" surface of water, 66
" at depth of 5 fathoms, 66
" of bottom, 40
Depth, in fathoms, 435
Nature of bottom, Mud
Direction of surface current; wind, N.
Force of surface current, ","
Direction of Lotton current. drift, NNW., 2 m.

Name and position of observer,

Name and rank of commanding officer,

Force of bottom current,

To what service attached,

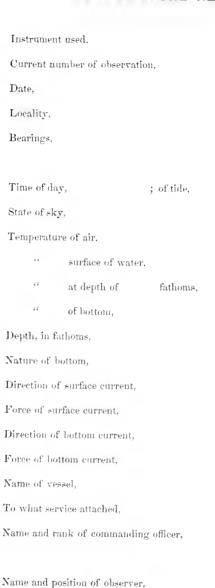
Name of vessel,

Instrument used. Current number of observation. Date. Locality. Bearings. Time of day, ; of tide. State of sky, Temperature of air, surface of water. at depth of fathoms. of bottom. Depth, in fathoms, Nature of bottom. Direction of surface current. Force of surface current, Direction of bottom current, Force of bottom current, Name of vessel, To what service attached. Name and rank of commanding officer,

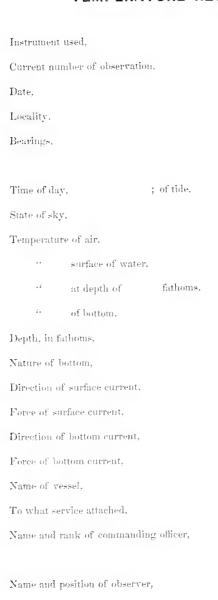
Name and position of observer,

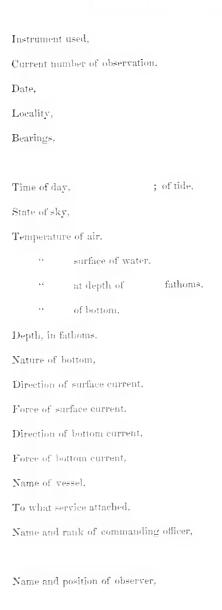
Instrument used, Current number of observation, Date. Locality. Bearings, Time of day, ; of tide. State of sky. Temperature of air, " _ surface of water. at depth of fathoms. of bottom. Depth, in fathoms, Nature of bottom. Direction of surface current, Force of surface current, Direction of bottom current, Force of bottom current, Name of vessel, To what service attached, Name and rank of commanding officer,

Name and position of observer.







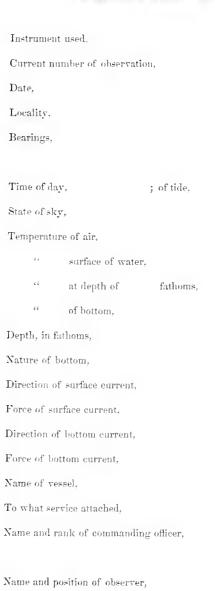


Instrument used. Current number of observation. Date. Locality. Bearings, Time of day, ; of tide, State of sky, Temperature of air, surface of water. at depth of fathoms, of bottom. . Depth, in fathoms, Nature of bottom. Direction of surface current, Force of surface current, Direction of bottom current, Force of bottom current, Name of vessel. To what service attached, Name and rank of commanding officer,

Name and position of observer,

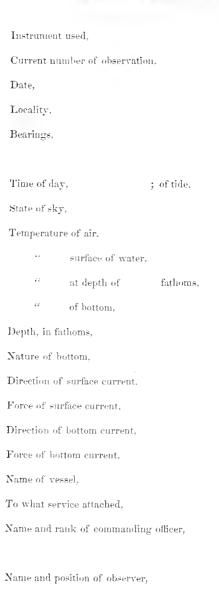
Instrument used. Current number of observation. Date, Locality, Bearings. Time of day, ; of tide. State of sky, Temperature of air. surface of water. at depth of fathoms. of bottom. Depth, in fathoms, Nature of bottom, Direction of surface current. Force of surface current, Direction of bottom current, Force of bottom current, Name of vessel. To what service attached. Name and rank of commanding officer,

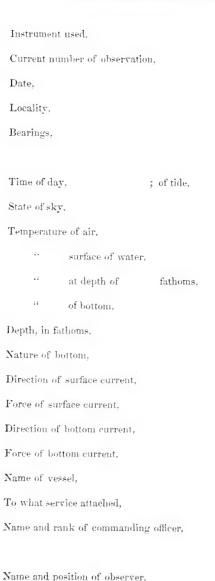
Name and position of observer.



Instrument used. Current number of observation. Date. Locality, Bearings, Time of day. ; of tide, State of sky, Temperature of air. surface of water. at depth of fathoms. of bottom. Depth, in fathoms, Nature of bottom. Direction of surface current. Force of surface current. Direction of bottom current. Force of bottom current. Name of vessel. To what service attached, Name and rank of commanding officer,

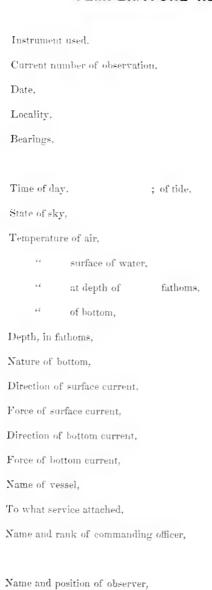
Name and position of observer,





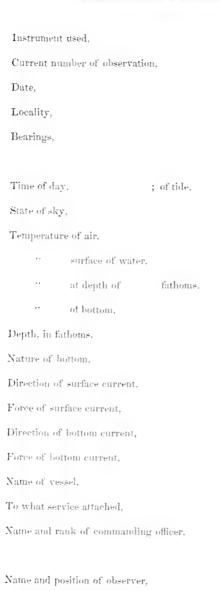
Instrument used. Current number of observation. Date. Locality, Bearings. Time of day, ; of tide, State of sky. Temperature of air, surface of water. at depth of fathoms. 44 of bottom. Depth, in fathoms, Nature of bottom, Direction of surface current. Force of surface current, Direction of bottom current, Force of bottom current, Name of vessel. To what service attached. Name and rank of commanding officer,

Name and position of observer,



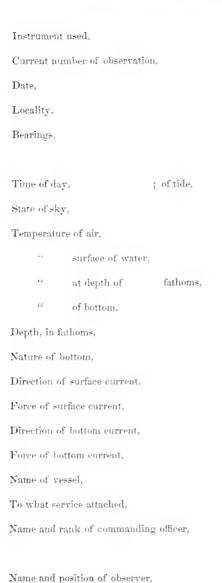
Instrument used. Current number of observation. Date. Locality. Bearings. Time of day, ; of tide. State of sky. Temperature of air. surface of water. at depth of fathoms, of bottom. Depth, in fathoms, Nature of bottom. Direction of surface current. Force of surface current. Direction of bottom current. Force of bottom current, Name of vessel, To what service attached. Name and rank of commanding officer,

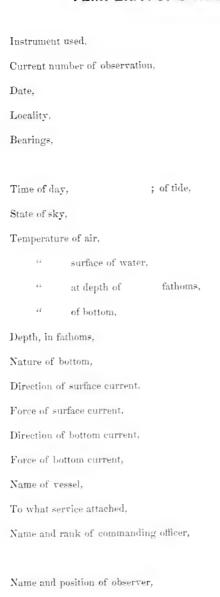
Name and position of observer,

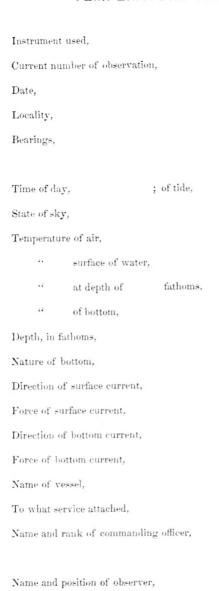


Instrument used. Current number of observation. Date. Locality. Bearings. Time of day, ; of tide. State of sky, Temperature of air, surface of water, fathoms. at depth of of bottom. Depth, in fathoms, Nature of bottom, Direction of surface current. Force of surface current, Direction of bottom current, Force of bottom current, Name of vessel, To what service attached, Name and rank of commanding officer,

Name and position of observer,







Congress, at its last session, having passed an act (taking effect May 1, 1879.)

MUST be affixed.

"Official Postage Stamps," the Envelopes contained in this shipment are prepared

after that date. Should it become necessary to use them BEFORE THAT TIM

